Atty Docket No.:



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

FORM PTO-1595 06-04

1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Fujio ISHIHARA	Name: KABUSHIKI KAISHA TOSHIBA	
	Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japa	
Additional name(s) of conveying party(ies) attached?   Yes	08-26-2004	
3. Nature of Conveyance:		
■ Assignment □ Merger	102822406	
☐ Security Agreement ☐ Change of Name	102822406	
Other		
Execution Date: April 22, 2004	Additional name(s) and address(es) attached?   Yes  No	
4. Application number(s) or patent number(s):		
☐ This document is being filed together with a new applicatio	n	
A. Patent Application No.(s)	B. Patent No.(s)	
10/816,808		
Additional numbers at	tached? 🗆 Yes 🔳 No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1	
	7. Total fee (37 CFR 3.41): \$40.00	
Customer Number	<b>■</b> Enclosed	
22850	☐ Authorized to be charged to deposit account	
Tel. (703) 413-3000 Fax. (703) 413-2220	8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)	
DO NOT US	E THIS SPACE	
9. Statement and signature		
To the best of my knowledge and belief, the foregoing information of the original document.	ation is true and correct and any attached copy is a true	
	halital and some	
Eckhard H. Kuesters  Name of Person Signing	Signature Date	
Insent A	. Scafetta, Jr.	
	on No. 26, 803	
Total number of pages inclu		
Do not deta	ch this portion	
Mail documents to be recorded with required cover sheet inform	nation to:	
	s Patent and Trademark Office	
	nt Recordation Services Virginia. 22313	
I:\USER\RM\VEG\DEC AND ASSN\251423USPTO1595.DOC		
23/2004 EFLORES 00000076 10816808 \		
FC:8021 40.00 0P		

**PATENT REEL: 015715 FRAME: 0036** 

## **Assignment of Application**

IES	WHEREAS, I (WE) Fujio ISHIHARA of Minato-ku, Tokyo, Japan.	
NCE ORS:		
RS:		
		_
	, respective	elv
-		
F	have invented certain new and useful improvements in: PHASE DETECTOR, CLOCK DISTRIBUTIO	
	CIRCUIT, AND LSI	
iED	For which an application for Letters Patent was executed on April 22, 2004	
1ED	(Application No. 10/816,808 , filed April 5, 2004 ), a	nd
	WHEREAS, KABUSHIKI KAISHA TOSHIBA	

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

10/01

PATENT REEL: 015715 FRAME: 0037 Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: April 22, 2004	Pujor harra	
	(Signature of Inventor) Fujio ISHIHARA	
Date;		
	(Signature of Inventor)	
Date:	_	
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

10/01

RECORDED: 08/20/2004

PATENT REEL: 015715 FRAME: 0038